

## Patent Abstracts of Japan

PUBLICATION NUMBER : 63069872  
PUBLICATION DATE : 29-03-88

APPLICATION DATE : 11-09-86  
APPLICATION NUMBER : 61214767

APPLICANT : NITTO ELECTRIC IND CO LTD;

INVENTOR : SUZUKI TOSHIMICHI;

INT.CL. : C09D 3/58 C09D 3/49 C09D 3/58

TITLE : COMPOSITION FOR ELECTRICALLY CONDUCTIVE EPOXY RESIN COATING

ABSTRACT : PURPOSE: To obtain the titled composition giving a cured coating film having electrical conductivity and weldability, by adding a specific electrically conductive metal powder to an epoxy resin paint obtained by compounding a rubber- modified epoxy resin, a phenoxy resin, a curing agent and an organic solvent.

CONSTITUTION: The objective composition capable of imparting electrical conductivity to a coating film without deteriorating the excellent paint characteristics of epoxy resin, by compounding (A) a rubber-modified epoxy resin (containing 5~35wt.% rubber component) produced by reacting an epoxy resin (e.g. polyfunctional novolak resin) with a butadiene-acrylonitrile copolymer rubber having carboxyl group, (B) 40~90wt.% phenoxy resin (based on the sum of A and B), (C) a curing agent component, (D) an organic solvent and (E) 25~75wt% electrically conductive metal powder containing  $\geq 95$ wt.% particles having diameter of  $\leq 10\mu\text{m}$  and produced by mixing (i) aluminum powder with (ii) one or more powdery metals selected from nickel, zinc and stainless steel powder.

COPYRIGHT: (C)1988,JPO&Japio